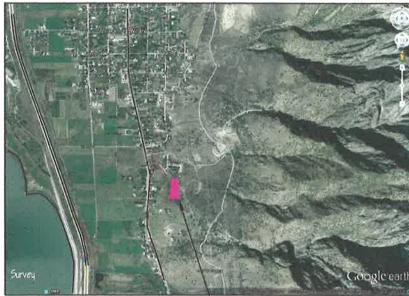
LEGEND GRANITE RIDGE SUBDIVISION GENERAL NOTES 1. 14 RESIDENTIAL LOTS 2. TYPICAL EASEMENTS AS FOLLOWS UNLESS OTHERWISE NOTED: FRONT: 10' BOUNDARY LINE PHASE 2 PART OF THE SOUTHEAST QUARTER OF SECTION 26. TOWNSHIP 8 NORTH, RANGE 2 WEST, SALT LAKE BASELINE AND MERIDIAN SCALE: 1"= 100'(11x17 PLAN SET) 3. IT REBAR TO BE SET AT ALL REAR PROPERTY CORNERS. CURB PINS TO BE SET AT LOT LINE PROJECTIONS. WILLARD, UTAH RECEIVED MAY 1 0 2017 SCALE: 1"=50' (24x36 PLAN SET) ADDRESS BLOCK FINAL PLAT FOUND REMAR (AS NOTED) ALLIANCE CONSULTING ENCINEERS FOGOM, UTAL BASS! (435)755-5121 CL MONUMENT Δ SURVEYOR'S NOTES/NARRATIVE 26 25 THE PUROPOSE OF THIS SURVEY WAS TO DEVELOP A RESIDENTIAL SUBDIMISION ON THE SUBJECT PROPERTY. THE SURVEY WAS REQUESTED BY ERIC HOUSEHOLDER. LEGAL DESCRIPTON SADDLEBACK ROAD Part of the Southeast Quarter of Section 26, Township 8 North, Range 2 West, Soit Lake Baseline and Meridian described as follows: REQUESTED BY ERIC HOUSEHOLDER. 2. THE BASIS OF BEARING IS N 00*45*40" W BETWEEN THE SOUTHEAST CORNER OF SECTION 26 MONUMENTED BRASS CAP AND THE EAST QUARTER CORNER OF SECTION 26 MONUMENTE WITH A BRASS CAP. THE CENTERLINE MONUMENTS AND BASIS OF SAID WILLARD PEAK RANCHES NO. 1 APPALOOSA RANCH WAS ALSO USED AS BASIS OF DEPARANCE. Commencing at the Southeast Corner of Section 26, Township 8 North, Range 2 West, Salt Lake Baseline and Meridian manumented with a brass cap; thence N 074540" W 760.63 feet along the east line of the the Southeast Quarter of said Section 26; thence West 1581.40 feet to a point on the south right of way line of Saddleback Road and the POINT OF BEGINNING and running thence along said south right of way line the next two courses: S82'22'11"E 10,622 sq.ft. BEARING. 3. CENTERLINE MONUMENTS AND PROPERTY CORNERS SET FOR THE WILLARD PEAK RANCHES NO. 1 APPALOOSA RANCH WERE USED TO ESTABLISHED SADDLEBACK ROAD RIGHT OF WAY. THE WEST LINE AS ESTABLISHED ALONG THE EAST LINE OF GRANTE RRIGGE SUBDIVISION, PHASE 1. THE SOUTH LINE WAS ESTABLISHED ALONG THE SOUTHEAST QUARTER OF SECTION 28 USING A BRASS CAP AT THE SOUTHEAST CORNER AND A WITNESS MONUMENT B' NORTH OF THE SOUTH QUARTER CORNER. \$82*22'11"E 12.50 42.50 C Lot 28 1) thence 48.37 feet along a curve to the left with a radius of 330.00 feet (center bears N 16'01'42" E), a central angle of 08'23'53" and a chard that bears 878'10'14'E 48.33 feet; 2) thence 5 82'22'11' E 294.89 feet; 9,809 sq.ft. 10,650 sq.ft. c) mence S 02/22/11 E 294.09 feet; thence S 00/05'43" W 57.89 feet to Parcel 02-053-0042; thence along the boundary of said Parcel 02-053-0042 the next four courses: 1) thence S 55'52'26" W 225.12 feet (S37'13'21'W, By Record); 2) thence S 00'15'16" W 179.77 feet (S01'36'11'W 179.77 feet, By Record) to a HAI rebar; 6 유 589*57'36"E-**COMMON AREA** AE CITY COUNCIL APPROVAL AND ACCEPTANCE 23,935 sq.ft. HM rebar; 3) thence S 62'50'29" E 87.17 feet (S61'29'34"E 87.18 feet, By Record); 4) thence N 89'16'23" E 90.15 feet (S89'22'42"E, By Record); thence S 00'12'18" W 309.74 feet to the south line of the Southeast Quarter of acid Section 26; thence S 89'57'45" W 383.59 feet along said south line; thence along the east line of Granite Ridge Subdivision, Phase 1 the next five 10.00 P.U.E. Lot 29 Presented to the Willard City Mayor this ______day of _______A.D., 20_____, at which time this subdivision was Lot 25 10,075 aq.ft. 12,170 sq.ft. approved and accepted Date 5.00 P.U.E. -N89'57'36"W courses: 1) thence N 00'19'46" W 137.99 feet; 2) thence S 88'03'13" E 24.40 feet; 3) thence N 00'12'18" E 516.11 feet; 4) thence S 88'57'36" E 7.57 feet; COUNTY SURVEYOR'S CERTIFICATE -132.85 8 I certify that I have examined this plat and find it to be correct and in occordance with information on file in this affice and further it meets the minimum standards for plats required by county ordinance, and state law. 5) thence N 16'17'23" E 112.91 feet to the point of beginning, containing 5.13 Lot 24 10,089 sa.ft. Lot 30 10,094 eq.ft. SURVEYOR'S CERTIFICATE Date County Surveyor I, Brian G. Lyon, a Registered Land Surveyor, hold Certificate No. 275617, as prescribed by the laws of the State of Utah, and do hereby certify that by authority of the owners, I have made a survey of the tract of land shown on this plat, which is accurately described therewith, and have subdivided sold tract of land Into lats to be hereafter known as GRANITE RIDGE SUBDIVISION, PHASE 2, and that the same has been surveyed and staked on the ground as shown on this plat. -N89'57'36"W--132.78^t APPROVAL AS TO FORM GRANITE RIDGE SUBDIVISION PHASE 1 Approved as to form this _____ day of ____ Lot 23 10,094 sq.ft. Lot 31 02-053-0042 10,089 sq.ft. City Attorney 20.00 DRAINAGE EASEMENT JOHAL LAND 89'57'36"W ENGINEER'S CERTIFICATE 132.72 275617 MAN G. LYON Lot 22 Lot 32 9/22/16 10,167 aq.ft. 10,148 sq.ft. FND HAI REBAR (HELD) -N89°58'25"W-OWNERS DEDICATION FND HA -132.65^t REBAR (HELD) Know all by these presents that we the undersigned owners of the above-described tract of land, having caused the same to be subdivided into lots and streets to hereafter be known as GRAMTE RIDES SUBDIVISION PHASE 2, do hereby dedicate for perpetual use of the public all parcets of land shown on this plot as intended for public use, and do warrant, defend and save the municipality harmless against any easements or other encumbrances on the dedicated streets which will interfere with the municipality's use, operation and maintenance of the streets and of further dedicate the easements as shown, with the same warranty as given for other dedicated property. LITH ITY COMPANY APPROVALS Lot 21 10,013 sq.ft. Lot 33 N89'16'23"E The utility easements shown on this plat are approved 9,997 aq.ft. N89'54'16'W-Lot 40 Questar Gas 132.59 14.539 sq.ft. Comcast Cable CenturyLink Communication Lot 20 Lot 34 N89'47'40"W-10,295 aq.ft. 10,359 sq.ft. PLANNING COMMISSION CHAIRMAN APPROVAL AND ACCEPTANCE E RIDGE SUBDIVISION PHASE 2 SOUTHEST OWNER OF SECTION 26, SOME BASELINE AND MENDAM MILLIAND, UTM 12.598 sq.ft. Presented to the Willard City Planning Commission chairman this day of A.D., 20___, at which time this subdivision was recommended to the City Council for approval. LIMITED LIABILITY ACKNOWLEDGEMENT -S89'47'42"E-N88'03'13"W STATE OF UTAH } COUNTY OF BOX ELDER } 828 SOUTH STREET (PUBLIC ROAD) 69.04 Lot 38 12,602 sq.ft. -S89'47'42"E-30.00 MTN FUEL EASEMENT BK 111/PG 422 Lot 35 My commission expires:___ Lot 36 Lot 18 10,018 sq.ft. 10,299 sq.ft. 10,793 sq.ft. Lot 37 Notary Public .. 13,713 sq.ft. GRANITE 15.00 DRA 15.00 DRAINAGE/ STORM EASEMENT 80.45 30.0' 30.0' 1272.59 COUNTY RECORDER'S NO. CURVE TABLE CURVE LENGTH RADNUS DELTA ANGLE CHORD BEARING CHORD LENGTH CS0 49.37 330.00 8°23°53" 578°10'14°E 49.33 CS1 77.24 600.00 722'33" \$03°56'33°W 77.19 CS2 19.27 12.50 88°18'30" N43°33'56'W 17.41 CS3 20.00 12.50 91'41'30" N45°06'02°E 17.94 CS4 71.01 630.00 6°27'30" \$03°29'02'W 70.98 CS3 73.38 570.00 722'33" \$03°56'33'W 73.33 CS4 19.63 12.50 90'00'00" \$52°37'49'W 10.09 CS8 19.63 12.50 90'00'00" \$52°37'49'W 17.68 S89*57'45"W 383.59 State of Utah, County of Box Elder, recorded and filed at the 51/4 COR. SEC 26, (BRASS CAP WITNESS COR. 5' NORTH) SE COR. SEC 26, BRASS CAP Time Fee 17.94 70.98 73.33 17.68 DATE : SEPT, 2016 Flied in: File of plats County Recorder OF 1

GRANITE RIDGE SUBDIVISION PHASE 2

PART OF THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 8 NORTH, RANGE 2 WEST, SALT LAKE BASELINE AND MERIDIAN WILLARD, UTAH

INDEX SHEET



└─ PROJECT VICINITY MAP

	SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION	
	INDEX SHEET	
2	EXIST/ DEMO PLAN	
3	SADDLEBACK ROAD	
4	210 EAST /820 SOUTH ROAD	
5	GRADING/DRAINAGE PLAN	
6	IRRIGATION RE-ROUTE Installed	
7	IRRIGATION PROFILE	
8	SWPPP	
9	SWPPP SPECIFICATIONS	

OWNER/DEVELOPER
ERIC HOUSEHOLDER

CIVIL ENGINEER
ALLIANCE CONSULTING
ENGINEERS, INC.
150 EAST 200 NORTH SUITE P
LOGAN, UTAH 84321
435-755-5121

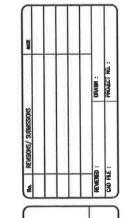


ALLIANCE CONSULTING
ENGINEERS
150 EST 200 NORTH SUITE P
1,000M, UTH 84221
(455)255-5121



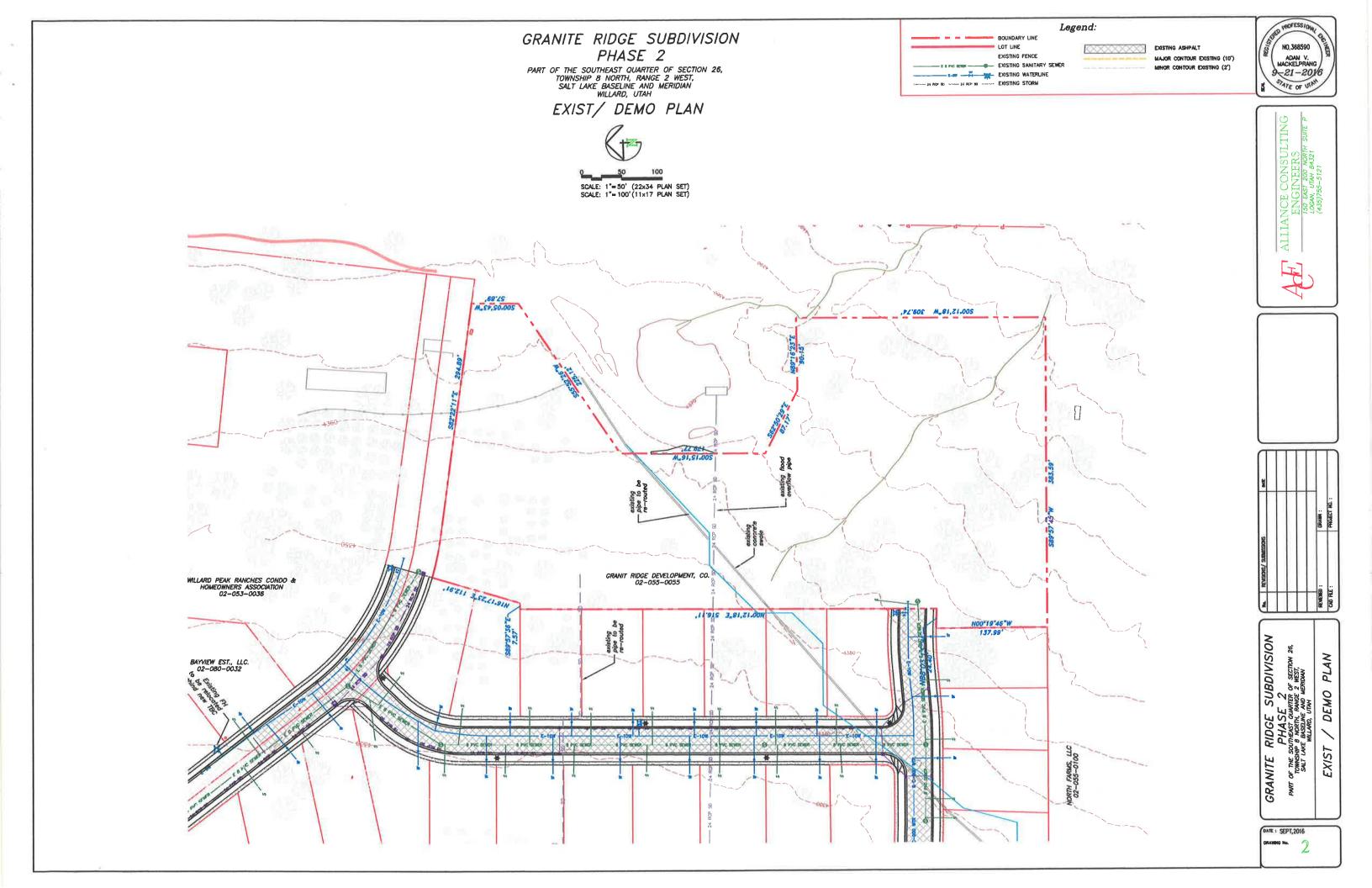
GENERAL NOTES (APPLICABLE TO ALL CIVIL SHEETS):

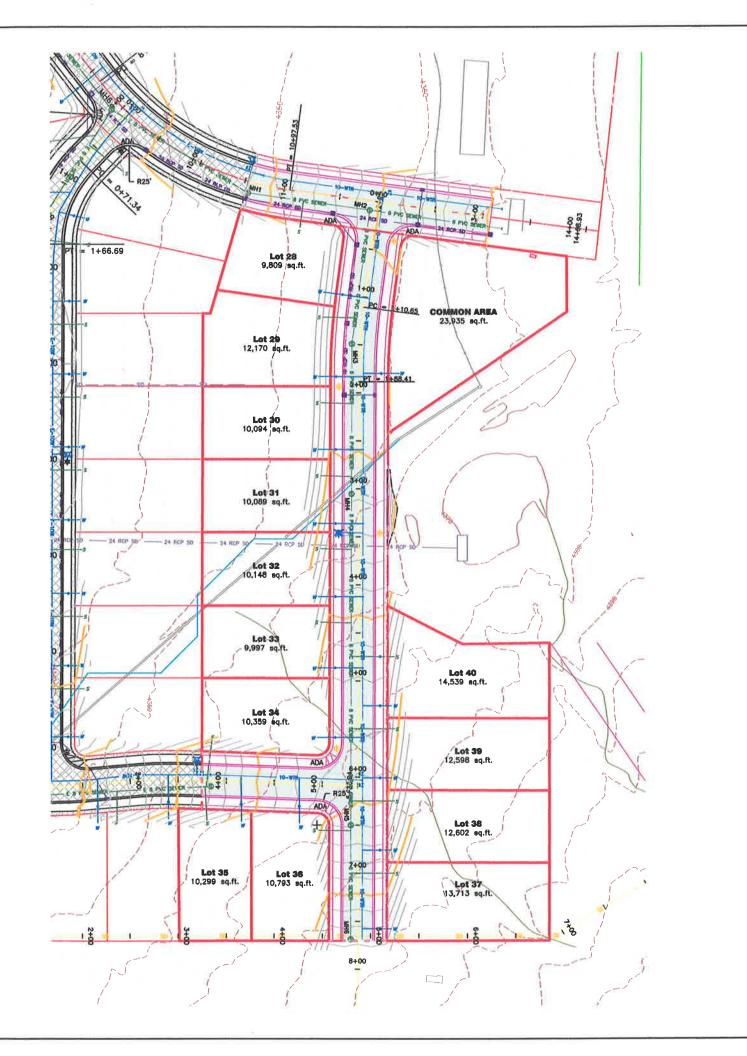
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, APWA STANDARDS AND SPECIFICATIONS, WILLARD CITY PUBLIC WORKS CONSTRUCTION STANDARDS, STATE OF UTAH AND ANY OTHER APPLICABLE STANDARDS ISSUED BY THE CONTROLLING AGENCY.
- 2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION. ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND FIELD CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER.
- 3. CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY AREAS AND/OR MATERIALS DAMAGED DURING CONSTRUCTION.
- 4. CONTRACTOR SHALL MAINTAIN ALL ADJACENT PROPERTY (PUBLIC & PRIVATE) FROM ALL CONSTRUCTION DEBRIS.
- 5. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITION FROM ALL NEW CONSTRUCTION TO EXISTING CONDITIONS.
- 6. CONTRACTOR SHALL PROVIDE ALL NECESSARY AUTOMOBILE AND PEDESTRIAN TRAFFIC CONTROL DEVICES REQUIRED BY LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
- CONTRACTOR SHALL REPLACE SURVEY MONUMENTS DAMAGED DURING CONSTRUCTION. SURVEY MONUMENTS TO BE REPLACED BY A REGISTERED, LICENSED LAND SURVEYOR.
- 8. CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, INCLUDING FIBER OPTIC. ANY DAMAGES TO EXISTING UTILITIES WILL BE REPAIRED AT CONTRACTORS EXPENSE.
- 9. DIMENSIONS SHOWN ARE TO THE CENTER OF THE PIPELINE UNLESS OTHERWISE NOTED.
- 10. DISTANCES SHOWN ALONG PIPELINES ARE HORIZONTAL DISTANCES AND NOT ACTUAL PIPE LENGTHS. MORE PIPE MAY BE REQUIRED TO COMPLETE CONSTRUCTION THAN IS DIMENSIONED IN THE PLANS.
- 11. THRUST BLOCKS SHALL BE PLACED ON WATERLINES AT ALL DIRECTION CHANGES, FITTINGS, BENDS, ELBOWS, FRE HYDRANTS AND GATES VALVES AS SHOWN IN THE PROJECT PLANS.
- 12. CONTRACTOR IS REQUIRED TO HAVE A SET OF PLANS ON THE SITE AT ALL TIMES. ANY WORK COMPLETED WITHOUT A SET PRESENT IS DONE SO AT THE CONTRACTORS RISK AND EXPENSE IF ERRORS OCCUR.
- 13. CONTRACTOR IS RESPONSIBLE FOR PROVIDING WATER NECESSARY FOR DUST ABATEMENT, COMPACTION, ETC.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING SOURCES FOR GRANULAR MATERIALS, WATER, WASTE SITES, AND ANY OTHER MATERIALS SOURCES AS REQUIRED FOR PROJECT COMPLETION.
- 15. ANY WORK DONE WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE TRANSPORTATION AGENCY AND SHALL MEET THE REQUIREMENTS OF THAT AGENCY AND THE REQUIREMENTS OF ANY RIGHT-OF-WAY OR SPECIAL USE PERMITS.
- 18. THE CONTRACTOR SHALL COORDINATE ALL LIVE TAPS AND ANY OTHER WORK OR MANIPULATION OF THE EXISTING WATER SYSTEM WITH THE CITY.
- 17. ON SLOPING AREAS THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MITIGATE ANY POSSIBLE EROSION PROBLEMS IN THE TRENCHES DUE TO STORM WATER THAT MIGHT OCCUR DURING OR AFTER CONSTRUCTION AS DIRECTED OR APPROVED BY ENGINEER.
- 18. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS DETAILED IN THE PROJECT PLANS UNTIL ALL PERMANENT AND POST CONSTRUCTION BMP'S AREA INSTALLED AND ACCEPTED.
- 19. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONS NECESSARY TO INSURE THAT NO STORM WATER/SEDIMENT AND/OR CONSTRUCTION DEBRIS ARE RELEASED FROM THE SITE. ANY RELEASES SHALL BE CLEANED AND MITIGATED AT THE CONTRACTOR'S EXPENSE.
- 20. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACCESS AND RELATED TRAFFIC CONTROL WITH THE COUNTY, CITY, AND STATE ROADWAY DEPARTMENTS. THE ENGINEER SHALL REVIEW ALL TRAFFIC CONTROL PLANS.
- 21. ALL GATE VALVES SHALL BE LOCATED NEAR THE EXTENSION OF LOT PROPERTY LINES OUTSIDE THE INTERSECTION.
- 22. CONTRACTOR SHALL PROVIDE ALL NECESSARY FITTINGS, HARDWARE, LABOR, ETC. TO CONSTRUCT VERTICAL AND HORIZONTAL BENDS IN PIPE AS NEEDED TO MEET THE REQUIRED GRADES, ALIGNMENTS AND COVER REQUIREMENTS.
- 23, THE CONTRACTOR SHALL COORDHATE WITH WILLARD CITY FOR ALL UTILITY INSPECTIONS PRIOR TO BACKFILLING.
- 24. ALL WATER SYSTEM COMPONENTS SHALL BE INSTALLED, PRESSURE TESTED, AND CHLORIMATED PRIOR TO COMPLETING ANY ROADWAY CONSTRUCTION.
- 25. ALL WATER LINE SERVICES ARE TO BE STUBBED INTO EACH LOT 15' BEYOND THE PROPERTY LINE AT WHICH POINT THE BARREL, SETTER AND OTHER APPURTENANCES ARE TO BE INSTALLED PER CITY STANDARDS.
- 28. WATER MAIN TO BE C-900 DR14. INSTALL PER WILLARD CITY STANDARDS AND SPECIFICATIONS.



GRANITE RIDGE SUBDIVISION
PHASE 2
PMT OF THE SOUTHEST OWNERS OF SECTION 26.
TOWNSHIP B NASTURE, RANGE 2 WEST.
SALT LINE BASELINE AND MERIDAN
MILLARD, UTAM

DRAWING ...





GRANITE RIDGE SUBDIVISION PHASE 1

PART OF THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 8 NORTH, RANGE 2 WEST, SALT LAKE BASELINE AND MERIDIAN WILLARD, UTAH

SADDLEBACK ROAD



SCALE: 1"= 50' (22x34 PLAN SET) SCALE: 1"= 10'_VERTICAL SCALE: 1"= 100'(11x17 PLAN SET)

LOT LINE EXISTING FENCE --- EXISTING SANITARY SEWER

PROPOSED CATCH BASIN AND LINES

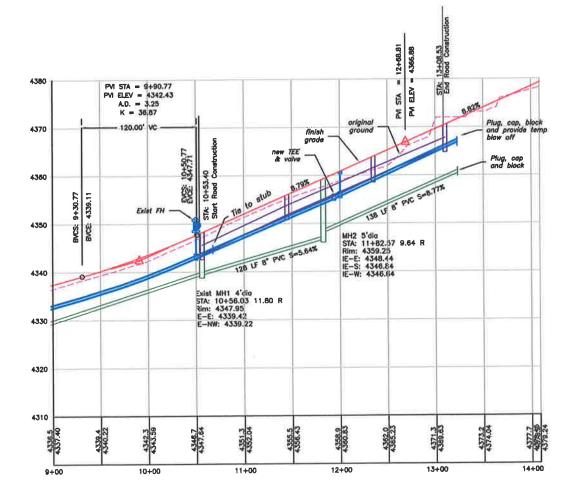
Legend:

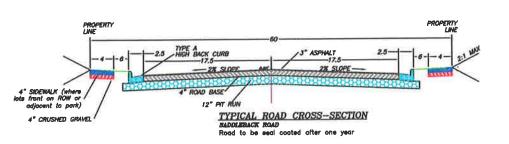
MAJOR CONTOUR EXISTING (10') MINOR CONTOUR EXISTING (2') PROPOSED LIGHT PER CITY SPEC

Notes

1. Trees/ Indecoping will be installed per the development agreement. In particular final landscaping shall include two trees per lot, (4) per corner lot (1-4° caliber honey locust).

BOUNDARY LINE

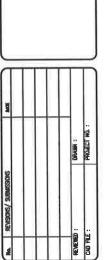






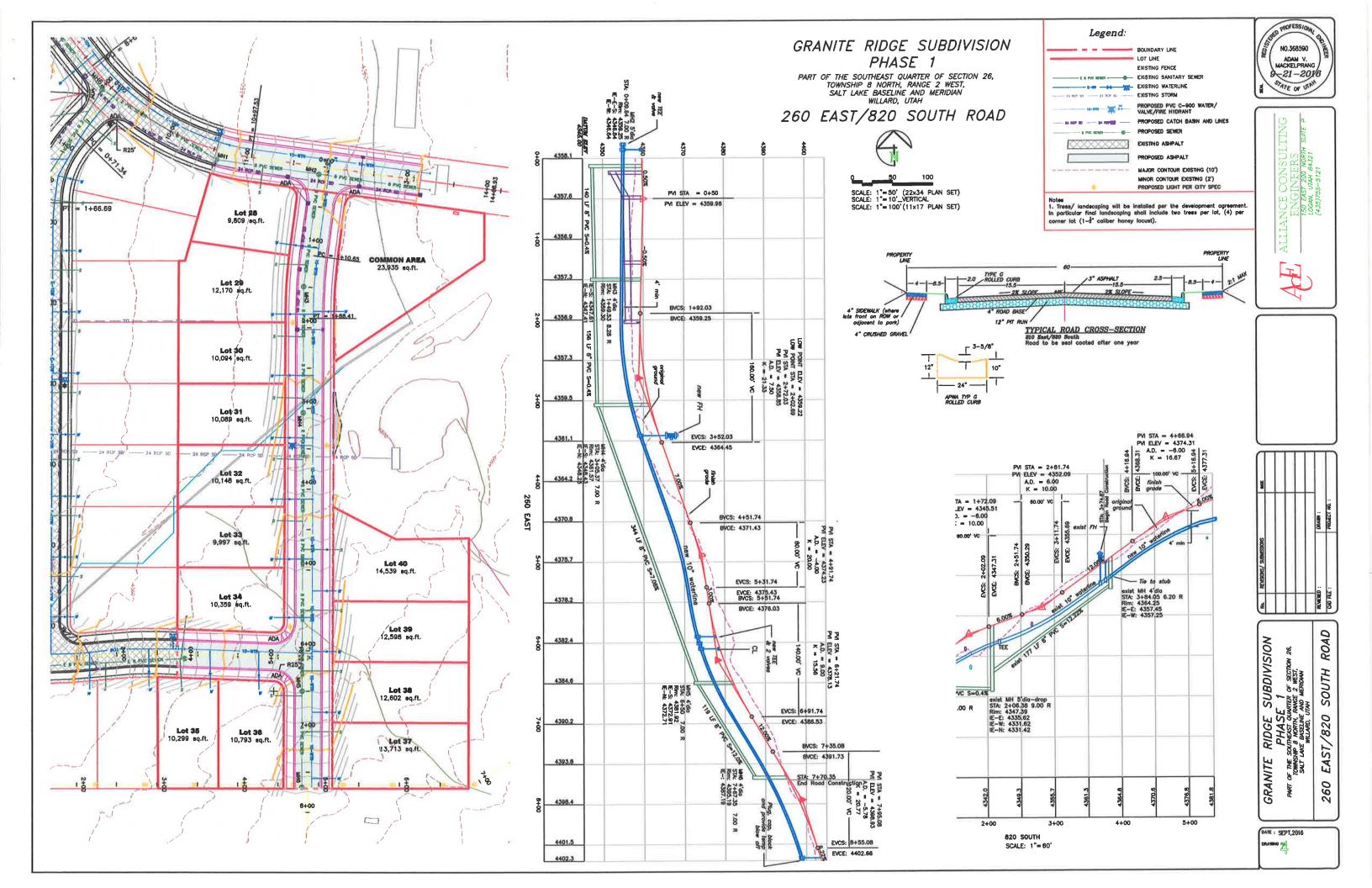


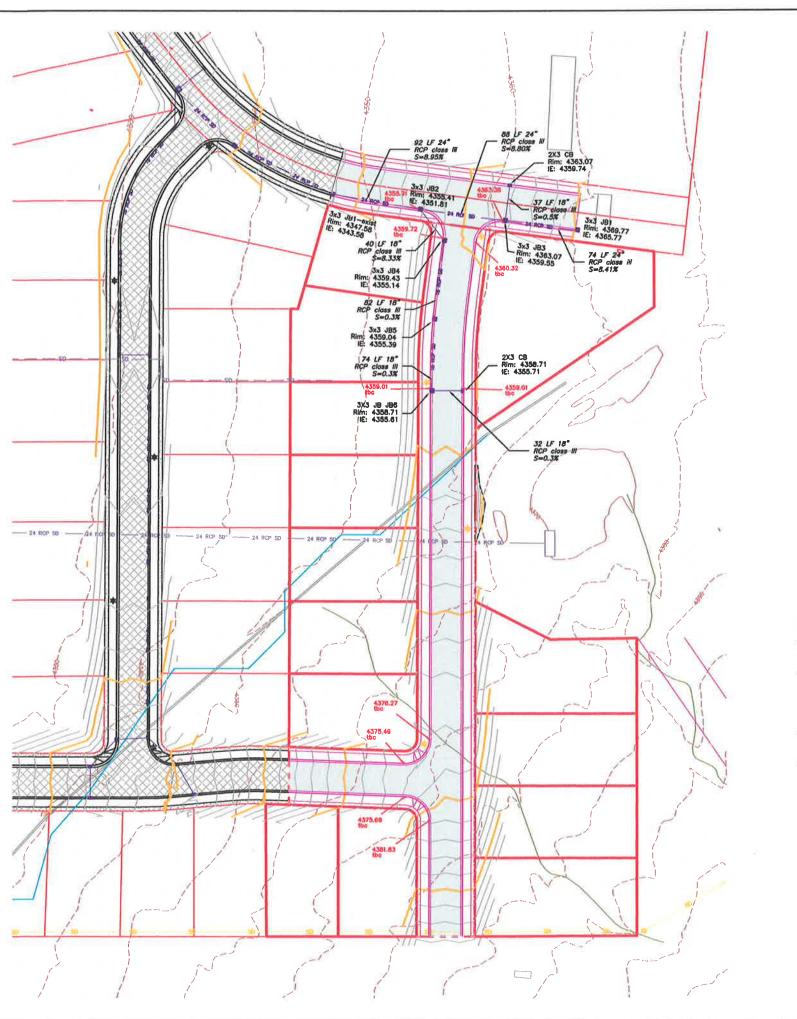




ANITE RIDGE SUBDIVISION
PHASE 1
FORMERING BY SECTION 26, TOWNSHIP BY NORTH, RANGE 2 WEST, SALT LAVE BYSELINE AND WERDAWN
SALT LAVE BYSELINE AND WERDAWN GRANITE

DATE : AUG,2015





GRANITE RIDGE SUBDIVISION PHASE 2

PART OF THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 8 NORTH, RANGE 2 WEST, SALT LAKE BASELINE AND MERIDIAN WILLARD, UTAH

GRADING/DRAINAGE PLAN

BOUNDARY LINE LOT LINE EXISTING FENCE - EXISTING SANITARY SEWER PROPOSED PVC C-900 WATER/ PROPOSED SEWER

Legend:



MAJOR CONTOUR EXISTING (10') MINOR CONTOUR EXISTING (2') MAJOR CONTOUR PROPOSED (10') MINOR CONTOUR PROPOSED (2') PROPOSED LIGHT PER CITY SPEC



15 min event - 100 yr storm per TC for entire develomen

Notes 1. Trees/ landscaping will be installed per the development agreement in particular final landscaping shall include two trees per lot, (4) per corner lot $(1-3^n$ caliber honey locust).



'C' Value:

ORIGINAL CALC SUBMITTED WITH PHASE 1

10.87 acres 0.45 Weighted 'C' value for Pond Drainage Area:

0.2 cfs/acre

Interval	Intensity	Depth	Area	С	CxAx3630	nflow	Discharge	Dischargé	Store	ige
(min)	(in/hr)	(in)	(ac)	Value	(ft^3fin)	(ft3/min)	(ft/3/min)	(\$^3)	(8/3)	(ac-ft)
15	2.37	0.59	10.67	0.45	17756	10512	130	1957	8555	0.20
30	1.59	0.80	10.87	0.45	17758	14134	130	3913	10221	0 23
60	0.99	0.99	10.87	0.45	17750	17508	130	7826	9681	0 22
360	0.28	1.67	10.87	0.45	17750	29617	130	46958	0	0.00
720	0.18	2 18	10.87	0.45	17756	38353	130	93917	0	0.00
1440	0,13	3,02	10.87	0.45	17756	53695	130	187834	0	0.00
100-Year R	eturn Peri	od								
	Precip.*	Precip.				Accum.	Allowable	Accum	Requ	ired.
Interval	Intensity	Depth	Area	C	CxAx3630	inflow	Discharge	Discharge	Stori	
(min)	(in/hr)	(in)	(ec)	Value	(#^3/in)	(83/min)	(#*3/min)	(#^3)	(ft*3)	(ac-ft)
15	4.55	1.14	10.87	0.45	17756.145	20197.615	130	1956.6	18241	0.42
30	3.08	1.53	10.87	0.45	17758 145	27166 902	130	3913 2	23254	0,53
60	1.90	1.90	10.87	0.45	17756.145	33736.676	130	7826 4	25910	0.59
120	1.10	2.20	10.87	0.45	17756.145	39063 519	130	15652.8	23411	0 54
360	0.44	2.64	10.87	0.45	17756.145	46876 223	130	46958.4	0	0.00
720	0.28	3.36	10.87	0.45	17756 145	59660 847	130	93916.8	0	0.00
1440		2.85	10.87	0.45	17756-145	50605.013	130	187833.8	0	0.00

UPDATED CALC INCLUDING PHASE 2 Capacity of existing pond: 26,386 cf

q=C*A*eqrl(2*g*h)

q=discharge (cfs) Awares of orifice (sq. fl.)

0.30 ft 3,61 in

Diarneter of opening 7.23

UPDATED CALC INCLUDING PHASE 2 Contractor to increase the existing orifice (of 6") to 7.25" diameter ANITE RIDGE SUBDIVISION
PHASE 2
TO THE SOUTHEST CHANTE 2 MEST.
TOWNESS B MORTH, OWNE 2 MEST.
SULT LIVE BUSIDER AND METROWN

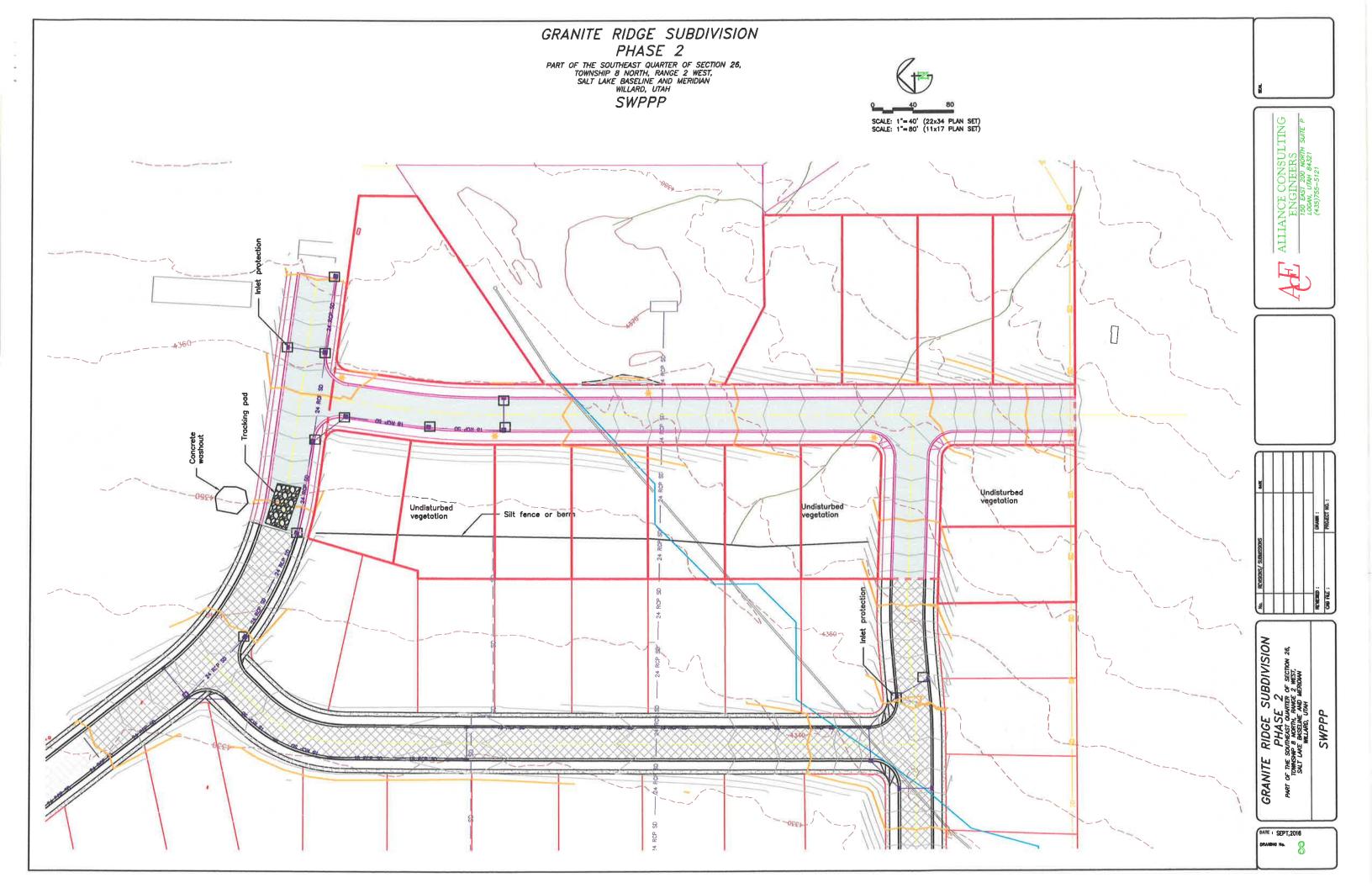
NO.368590

ADAM V. MACKELPRANG 9 21-2016

STATE OF UTA

ALLIAN

GRANITE



SPECIAL CONDITIONS, MANAGEMENT PRACTICES & RESPONSIBILITIES

- 1. This Storm Water Pollution Prevention Plan (SWPPP) was developed at the request of: For the construction of: Granite Ridge Subdivision Phase 2 in Willard City, Utah.
- 2. This plan identifies potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges from the construction site.
- 3. Except as permitted in # 4 below, all discharges covered by the plan shall be composed entirely of storm water:
- 4. The following non-storm water discharges occurring at this site may be permissible, providing the implementation of appropriate pollution prevention measures has been taken.
- a. Discharges from fire fighting and fire hydrant discharges.
 b. Water used to wash vehicles or control dust.
 c. Potable water sources including waterline flushing.

- c. Potable water sources including waterline mushing.
 d. Irrigation drainage.
 e. Routing external building wash down which does not use detergents; pavement washwaters where spills or leoks of hazardous materials (including alls and fuels) have not occurred (unless all spilled material has been removed) and where detergents are not used.
 f. Air conditioning condensation.
 g. Springs, uncontaminated ground water, foundation or footing drains where flows are not contaminated with process materials such as solvents.
- 5. The discharge of hazardous substances or oil in the storm water discharge(s) from this facility shall be prevented or minimized in accordance with the SWPPP for the facility. This plan does not relieve the permittee of the reporting requirements of 40 CFR part 117, 40 CFR part 110, and 40 CFR part 302. Where a release containing a hazardous substance in an amount equal to or in excess or a reportable quantity established under either 40 CFR part 117, 40 CFR part 110, or 40 CFR part 302, occure during a 24-shour except.
- Notify the National Response Center (NRC) 800-424-8802.
 Notify the Division of Water Quality (DWQ) 801-538-6146 (or the DWQ answering service at 801-536-4123)
- 6. Within 14 calendar day of knowledge of the release, the permittee shall file a written description, the date of release, the circumstances leading to the release, the measures taken/or planned to cleanup the release, and steps to be taken to minimize the chance
- 7. Within 14 colendar day of knowledge of the release, this plan must be reviewed to identify measures to prevent the reoccurrence of such releases, and to respond to such releases, and the plan must be modified where appropriate.

STORM WATER POLLUTION PREVENTION PLAN

- This plan shall be retained on—site at the facility. If the site is inactive or does not have an on—site locations adequate to store the SWPPP, the location of the plan, along with a contact phone number shall be posted on site.
 Reasonable local access to the plan, during normal working hours, must be provided.
- a. Construction Activity: Construction of a residential subdivision.
 b. Sequence of major activities: Site clearing, rough grading,
 utilities installation, finish grading, paving.
 c. Total Area of Site: 5.69½ acres
 d. Existing Soil: Sx (31.9%), WcC (68.1%)
 e. Site Location: 260 East, 820 South in Willard Utah.
 f. Discharges other than from construction: None.
 g. Receiving Water: None.

- a. The construction-phase erosion and sediment controls should be installed to retain sediment of site to the maximum extent possible.
 b. All control measures must be properly selected, installed and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections or other information indicates a control has been used inappropriately, or incorrectly, the permittee must replace or modify the control for site situations.
- c. If sediment escapes the construction site, off-site accumulations of sediment must be removed immediately to minimize off-site impacts (e.g. fugitive sediment in street could be washed into storm sewers by the next rain and/or
- d. Sediment traps shall be placed around all storm water inlets as shown on the plan. Allow only clean storm water to enter the inlets (e.g. fugitive sediment in street could be washed into storm sewers by the next rain and/or pose safety hazard to users of public streets).
- Sediment must be removed from sediment traps, slit fences, or sedimentation ponds when design capacity has been reduced by 50%.
- f. Litter, construction debris, and construction chemicals exposed to storm water shall be picked up prior to anticipated storm events (e.g. forecasted by local weather reports), or otherwise prevented from becoming a pollutant source for storm water discharges (e.g. screening outfalls, picked up daily, etc.).
- g. Offsite material storage areas (also including overburden and stockplies of dirt, etc.) used solely by the permitted project are considered a part of the project.
- Waste Disposal No solid moterials, including building materials, shall be discharged to water of the State, except as authorized by a CWA Section 404 permit.
- Off-site Tracking Off-site vehicle tracking of sediments and the generation of dust shall be minimized.

- c. Septic, Waste and Sanitary Sewer Disposal Comply with State and/or local waste disposal, sanitary sewer or septic system regulations. Provide partable toilets that are serviced weekly and pumped clean by a waste disposal company. No toxic or hazardous waste shall be disposed of in portable toilets or on—site
- d. On Site Storage Perform regular inventoris of construction materials stored onsite (including waste materials). Practice storage procedures to minimize exposure of the materials to storm water. Provide covered disposal containers in convenient locations on the site. Provide for weekly (more often if required)
- 5. Other Laws and Requirements:
- a. Comply with local storm water control requirements
- Comply with Federal or State laws pertaining to threatened or endangered species or historic properties.
- c. Dischargers seeking variance to permit requirements shall submit an Individual permit application along with a description of why requirements in approved State or local plans or permits should not be applicable as a condition of a

- The controls and measures indicated on the plan shall be maintained in good and effective operating condition.
- b. Maintenance needs identified in inspection or by other means shall be accomplished before the next anticipated storm event, or as necessary to maintain the continued effectiveness of storm water controls.
- c. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as possible.

- a. Inspect disturbed areas of the construction site that have not been finally stabilized, areas disturbed for the storage of materials that are exposed to precipitation, structural control measures and locations where vehicles enter or exit the site:

- At least once every 14 calendar days.
 Before anticipated storm events.
 Within 24 hours of the end of a storm that is 0.5 inches or greater.
- b. Where the site has been finally or temporarily stabilized, or runoff is unlikely due to winter conditions (e.g. site covered with snow, ice, or frozen ground, inspection shall be conducted at least once every month.
- Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system.
- (2) Erosion and sediment control measures shall be observed to ensure they are operating correctly.
- (3) Accessible discharge locations or points shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts
- (4) Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

Based on the results of the inspection, this plan shall be revised as appropriate within 7 calendar days following the inspection.

- a. Prepare on inspection report for each inspection. It shall contain:

- (1) The scope of the inspection
 (2) Name(s) and qualifications of personnel making the inspection.
 (3) The date of the inspection.
 (4) Major observations relating to the implementation of the SWPPP.
- (a) locations of discharges of sediment or other pollutants from the site.
 (b) control devices that falled to operate or proved inadequate or a

- b. Reports shall be retained as part of the SWPPP for at least three years from the date that the site is finally stabilized.
- c. Reports shall identify any incidents of non-compliance.
- d. When a report does not identify any incidents of non-compliance, the report shall contain a certification that the facility is in compliance with the SWPPP and the permit.
- The report shall be signed in accordance with the permit certification (that is the same as the certification signed by the engineer on this sheet).

The permittee shall retain a copy of the SWPPP at the construction site (or other location accessible the public) from the date of project initiation to the date of final stabilization. The permittees with day to day operational control over the SWPPP implementation shall have a copy of the plan available at a central location onsite for the use of all operators and those identified as having responsibilities under the plan they are on the construction site.

- 11. Final Stabilization:
- 1. Means that all soil disturbing activities at the site have been completed
- After construction has been completed, poved areas of the site shall be swept clean. Storm water inlets and pipe shall be leaned. All waste including storm water control measures shall be removed from the site.
- Perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas, or equivalent permanent stabilization measures (such as the use of rip rap, gabions, or geotextiles) have been employed.
- 4. Landscaping shall not be overwatered so that soil erosion occurs.
- 5. When all construction activity on the site has been completed, the owner shall file a Notice of Termination with the State DEQ Division of Water Quality.

- A Best Management Practices (BMP's) means schedule of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of the waters of the State. BMP's also include treatment requirements, operating procedures and practices to control site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw materials storage.
- B. Commencement of Construction means the initial disturbance of soils associated with clearing, grading or excavating activities or other construction activities.
- C. Control Measure means any Best Management Practice or other method used to prevent ar reduce the discharge of pollutants to waters of the State.
- D. CWA means Clean Water Act or the Federal Water Pollution Control Act.
- E. Point Source means any discernible, confined and discrete conveyance including, but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.
- F. Runoff Coefficient means the fraction of total rainfall that twill appear at a
- G. Storm Water means storm water runoff, snow melt runoff, and surface runoff and
- H. Water of the State means all lakes, pands, marshes, water courses, waterways, wells, springs, irrigation systems, drainage systems, and all other bodies or accumulations of water, surface and underground, natural or artificial, public or private, which are contained within, flow through, or border upon this State or any portion thereof, except that bodies of water confined to and retained within the limits of private property, and which do not develop into or constitute a nuisance, or a public health hazard, or a menace to fish and wildlife, shall not be "water of the state" under this definition.
- I. Waste Pile means any noncontainerized accumulation of solid, nonflowing waste that is used for treatment or storage.

I certify under penalty of law that this document and all attachments were prepared under my direction of supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Adam Mackelprana, PE	Date:	

ALLIANCE CONSULTING
ENGINEERS
LOGM, UTH 84321
(435)755-5121





RIDGE SUBDIVISION
PHASE 2
SOUMEST WARTH OF SECTION 26,
THE B NORTH, ROUGE 2 WEST,
UNE BUSINE AND WERDOWN
WILLIAMS, UTHEN, SPECIFICATIONS

DANE : SEPT, 2016

GRANITE

